

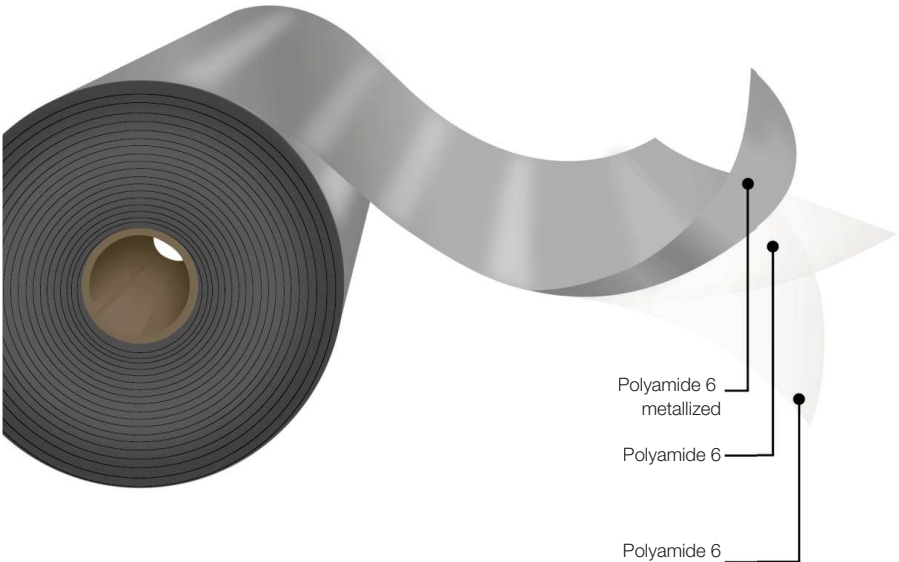
# Metallized BOPA Film PCR Grade\*

OPA MetalFilm

AMq- MN



CAPRAN®



High barrier to oxygen

\*Polyamide film certified through mass balance according to SCS Recycled Content Standard V8.0 by SCS Global Services. Certification link.

## Description

Bioriented film metallized on one side by controlled vacuum deposition of high purity aluminum. The base raw material, 100% of polyamide, comes from post-consumer content of chemical recycling, suitable for food contact. This raw material grants excellent oxygen barrier properties, ensuring the protection and integrity of packaged products. The metallized layer is located on the outside face of the reel.

## Main Characteristics

- Ecological and sustainable film focused on the circular economy.
- Reduced environmental footprint.
- Maintains the same performance and efficiency as conventional film.
- Very high barrier to oxygen and aromas.
- Excellent mechanical properties at high and low temperatures.
- Excellent toughness and puncture resistance.
- High resistance to “Flex crack”.

## Applications

Metallized, used in multiple laminations, replacing aluminum foil. Recommended in packaging that require very high gas barrier protection and high mechanical and/or chemical, such as those used to package products with migratory components such as tomato sauces, ketchup, mustard and as a barrier to oils and fats. Its also used to vacuum packaging. It's not recommended for filled products at temperatures higher than 50°(hot fill).

### \* Important Considerations

\*It is recommended to store this material at conditions not exceeding 30°C, in a place without exposure to sunlight and with a relative humidity of 60%. To protect against humidity and avoid film blocking, rolls should stay covered with plastic overwrap when not in use.

\*The information in this data sheet is based on tests carried out in our laboratories and is intended to be used for reference only, and does not constitute a specification. Therefore, should not be construed as a guarantee of performance. It is the responsibility of the user to carry out the necessary tests to guarantee its use for the intended applications.

\*This product complies with FDA and EU regulations. For more information, please visit our website: <https://www.obengroup.com/en/documents>

## Standard Dimensions \*

| Film Code | Thickness (µm) | Unit Weight (g/m <sup>2</sup> ) | Width (mm)   | Core Size | 760 mm Ø Outside Diam. |                | Treatment |
|-----------|----------------|---------------------------------|--------------|-----------|------------------------|----------------|-----------|
|           |                |                                 |              |           | Length (m)             | Weight (kg/cm) |           |
| AMq 10    | 10.0           | 11.8                            | 400 to 2,500 | 6"        | 38,200                 | 4.5            | Metal Out |
| AMq 12    | 12.0           | 14.2                            |              |           | 31,800                 |                |           |

\*This product has lot size and width restrictions. Please consult your sales representative.

## Typical Values of Physical Properties \*\*

| Property                                   | Unit | Testing Method   | Thickness in Microns |      |
|--|------|------------------|----------------------|------|
|  |      |                  | 10.0                 | 12.0 |
| Optical Density                            | -    | AIMCAL TP 101-78 | 2.4                  |      |
| Coefficient of Friction - Kinetic          | N/N  | ASTM D1894       | 0.40                 |      |
| Tensile Strength                           | DM   | ASTM D882        | 275                  |      |
|  | DT   |                  | 310                  |      |
| Elongation at Break                        | DM   |                  | 110                  |      |
|  | DT   |                  | 80                   |      |
| Secant Modulus 2%                          | DM   | 3,470            |                      |      |
|  | DT   | 2,920            |                      |      |
| Oxygen Transmission Rate (23 °C, 0 % R.H.) | -    | ASTM D3985       | 0.5                  |      |

\*\*Information and data presented in this data sheet is intended to be used as general guidelines. Physical properties specifications are available upon request.

# CAPRAN<sup>®</sup>

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